

IN THE CLAIMS**CLAIM 1. (currently amended)**

A disinfection and purification composition, ~~comprising~~ consisting essentially of:

- (a) at least one metal selected from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;
- (b) at least one plant extract or chemical equivalent thereof; and
- (c) at least one alcohol.

CLAIM 2. (currently amended)

A disinfection and purification composition, ~~comprising~~ consisting essentially of:

- (a) at least one metal selected from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a; and
- (b) at least one plant extract or chemical equivalent thereof.

CLAIM 3. (currently amended)

A disinfection and purification composition, ~~comprising~~ consisting essentially of:

- (a) at least one metal selected from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a; and
- (b) at least one alcohol.

CLAIM 4. (original) The disinfection and purification composition of **CLAIM 1** wherein at least one of the metals selected is copper.

CLAIM 5. (original) The disinfection and purification composition of **CLAIM 1** wherein at least one of the metals selected is silver.

CLAIM 6. (original) The disinfection and purification composition of **CLAIM 2** wherein at least one of the metals selected is copper.

CLAIM 7. (original) The disinfection and purification composition of **CLAIM 2** wherein at least one of the metals selected is silver.

CLAIM 8. (original) The disinfection and purification composition of **CLAIM 3** wherein at least one of the metals selected is copper.

CLAIM 9. (original) The disinfection and purification composition of **CLAIM 3** wherein at least one of the metals selected is silver.

CLAIM 10. (original) The disinfection and purification composition of **CLAIM 1** wherein the metals selected are copper and silver.

CLAIM 11. (original) The disinfection and purification composition of **CLAIM 2** wherein the metals selected are copper and silver.

CLAIM 12. (original) The disinfection and purification composition of **CLAIM 3** wherein the metals selected are copper and silver.

CLAIM 13. (currently amended) The disinfection and purification composition of **CLAIM 1** wherein the plant extracts or chemical equivalents thereof are selected from the group consisting of angiosperms or chemical equivalents thereof.

CLAIM 14. (original) The disinfection and purification composition of **CLAIM 1** wherein the alcohol is glycerol.

CLAIM 15. (currently amended) The disinfection and purification composition of **CLAIM 2** wherein the plant extracts or chemical equivalents thereof are selected from the group consisting of angiosperms or chemical equivalents thereof.

CLAIM 16. (original) The disinfection and purification composition of **CLAIM 3** wherein the alcohol is glycerol.

CLAIM 17. (currently amended) The disinfection and purification composition of **CLAIM 1** wherein the plant extract is extracted from grapefruit or chemical equivalent thereof.

CLAIM 18. (currently amended) The disinfection and purification composition of **CLAIM 2** wherein the plant extract is extracted from grapefruit or chemical equivalent thereof.

CLAIM 19. (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 1** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the plant extract or chemical equivalent thereof;

selecting the alcohol; and

mixing the selected metals together with the selected plant extract or chemical equivalent thereof and the selected alcohol.

CLAIM 20. (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 2** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the plant extract or chemical equivalent thereof; and

mixing the selected metals together with the selected plant extract or chemical equivalent thereof.

CLAIM 21. (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 3** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the alcohol; and

mixing the selected metals together with the selected alcohol.

CLAIM 22. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

CLAIM 23. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

CLAIM 24. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

CLAIM 25. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

CLAIM 26. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

CLAIM 27. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

CLAIM 28. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

CLAIM 29. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

CLAIM 30. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

CLAIM 31. (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 1** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the plant extract or chemical equivalent thereof;

selecting the alcohol;

selecting at least one disinfectant compound from the group consisting of ozone, peroxides, halogens from the Periodic Table of the Elements, group 7a, halogenated hydrocarbons, amides, amines, and halogenated dioxides; and

mixing the selected metals together with the selected plant extract or chemical equivalent thereof, the selected alcohol and the selected disinfectant compounds.

CLAIM 32. (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 2** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the plant extract or chemical equivalent thereof;

selecting at least one disinfectant compound from the group consisting of ozone, peroxides, halogens from the Periodic Table of the Elements, group 7a, halogenated hydrocarbons, amides, amines, and halogenated dioxides; and

mixing the selected metals together with the selected plant extract or chemical equivalent thereof and the selected disinfectant compounds.

CLAIM 33. (currently amended) A method of manufacturing the disinfection and purification composition of **CLAIM 3** comprising consisting essentially of the steps of:

selecting at least one of the metals from the group consisting of the metals in the Periodic Table of the Elements, groups 1b,2b,3b,4b,5b,6b,7b,8,3a,4a, and 5a;

selecting the alcohol;

selecting at least one disinfectant compound from the group consisting of ozone, peroxides, halogens from the Periodic Table of the Elements, group 7a, halogenated hydrocarbons, amides, amines, and halogenated dioxides; and

mixing the selected metals together with the selected alcohol and the selected disinfectant compounds.

CLAIM 34. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

CLAIM 35. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

CLAIM 36. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

CLAIM 37. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

CLAIM 38. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

CLAIM 39. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

CLAIM 40. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item.

CLAIM 41. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item.

CLAIM 42. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid.

CLAIM 43. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 44. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 45. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 46. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 47. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 48. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 49. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 50. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 51. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 52. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 53. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 54. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 55. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 56. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 57. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 58. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

infusing the mixture into a user selected item; and

exposing the mixture infused item to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 59. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

applying the mixture onto the surface of a user selected item; and

exposing the mixture applied surface to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 60. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

dissolving the mixture into a user selected liquid; and

exposing the liquid dissolved mixture to at least one treatment selected from the group consisting of radiation, light, sonic blasts and extremes of temperature.

CLAIM 61. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 19** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

CLAIM 62. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 20** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

CLAIM 63. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 21** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

CLAIM 64. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 31** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

CLAIM 65. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 32** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.

CLAIM 66. (currently amended) A method of using the disinfection and purification composition manufactured by the method of manufacture of **CLAIM 33** comprising consisting essentially of the steps of:

placing the mixture in a filtration device such that a user selected fluid must pass through the filtration device and dissolve the mixture in the user selected fluid.